

**MULTILAYER POLYMER-QUANTUM DOT LIGHT EMITTING DIODES AND
METHODS OF MAKING AND USING THEREOF**

ABSTRACT

Disclosed herein are multilayer polymer-quantum dot light emitting diodes (PQD-LEDs) and methods of making thereof. As disclosed, the PQD-LEDs comprise at least one quantum dot layer made from an aqueous suspension of quantum dots upon which a polymer layer is deposited by spin coating methods known in the art. The quantum dot layers and the polymer layers are discrete and distinct from one another. Also disclosed are methods of making the PQD-LEDs of the present invention and kits.